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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/501,530

07/14/2004

Reiner Noske

PD020002

4383

7590

10/03/2008

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EXAMINER

TORRENTE, RICHARD T

ART UNIT

PAPER NUMBER

2621

MAIL DATE

DELIVERY MODE

10/03/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/501,530	<b>Applicant(s)</b> NOSKE, REINER	
	<b>Examiner</b> RICHARD TORRENTE	<b>Art Unit</b> 2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 14 July 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 July 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>2/8/05, 7/14/04</u> .   | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Specification***

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: Method for Storing Video Signals with Different Read/Write Rate.

### ***Claim Objections***

2. Claims 5 and 6 are objected to because of the following informalities: All abbreviations should be spelled out at the first occurrence. Appropriate correction is required. For the sake of prosecution, examiner will treat the abbreviations as general data.

### ***Claim Rejections - 35 USC § 112***

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. Claims 6 and 7 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Claim 6 disclosed "NOPS, PALL, NOPs, REF,

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ACTV, ACTV, NOPs” in line 4 which is not defined in the specification. Claim 7 disclosed “BST, PALL, REF, NOPs” in line 4 which is not defined in the specification.

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

6. Claims 4, 6 and 7 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

7. Claim 4 recites the limitation "the random access memory" in line 4. There is insufficient antecedent basis for this limitation in the claim.

8. Claim 6 recites the limitation "the control time segments", "the following code sequence" and "the random access memory" in lines 1, 2 and 3 respectively. There is insufficient antecedent basis for this limitation in the claim.

9. Claim 7 recites the limitation "the control time segments", "the following code sequence" and "the random access memory" in lines 1, 2 and 3 respectively. There is insufficient antecedent basis for this limitation in the claim.

### ***Claim Rejections - 35 USC § 102***

10. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

11. Claims 1-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Willis (US 5,434,625).

Regarding claim 1, Willis discloses a method for storing video signals (see 350 of fig. 6) at a first rate (see "1280 fHa in fig. 6) and reading the stored video signals at a second rate (see "1024fHm of fig. 6); comprising the steps of: compressing video signals to be stored (see 370 of fig. 6); storing the compressed video signals in a memory (see 350 of fig. 6); operated synchronously during writing and reading (see one source of the two clocks from 300 for 320 and 350 in fig. 6); reading said compressed video signals from said memory into a first buffer (see 354 of fig. 6) at a first rate (see "1280 fHa in fig. 6); reading from said first buffer at said second rate such that said compressed digital signals are decompressed (see column 18, lines 45-49).

Regarding claim 2, Willis further discloses wherein the write-read cycle of said memory comprises a write period and at least one read period (e.g. see write-read cycle of one period in fig. 9 and fig. 10).

Regarding claim 3, Willis further discloses wherein the write-read cycle of said memory comprises a write period and three read periods (e.g. see "3:1" in column 16, lines 43-54, where the ranges dictates the 3 times sampling or reading rate in the vertical direction for a desired display format).

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Regarding claim 4, Willis further discloses wherein the write or read periods in each case contain, prior to the writing or reading, respectively, control time segments (see "EN" in 340 of fig. 6) for setting the random access memory for writing or reading, respectively, and, after the write or read periods, respectively, control time segments for terminating the writing or reading (see "RESET" in fig. 6), respectively.

Regarding claim 5, Willis further discloses wherein said memory is furthermore refreshed in the time segments (see "CLK" in 340 of fig. 6).

Regarding claim 6, Willis further discloses wherein, in the control time segments preceding the writing or reading, the following code sequence is fed to the random access memory: NOPs, PALL, NOPs, REF, ACTV, ACTV, NOPs (see "DATA" in 340 of fig. 6).

Regarding claim 7, Willis further discloses wherein, in the control time segments after writing or reading, the following code sequence is fed to the random access memory: BST, PALL, REF, NOPs (see "DATA" in 340 of fig. 6).

Regarding claim 8, Willis further discloses wherein the video signals are divided pixel by pixel (see column 19, lines 34-39).

Regarding claim 9, Willis further discloses wherein the step of reading compressed video signals from said first buffer at said second rate such that said compressed video signals are decompressed includes a step of multiplexing (e.g. see 321 of fig. 8) said compressed video signals.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RICHARD TORRENTE whose telephone number is (571) 270-3702. The examiner can normally be reached on M-F: 7:30 - 5:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mehrdad Dastouri can be reached on (571) 272-7418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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